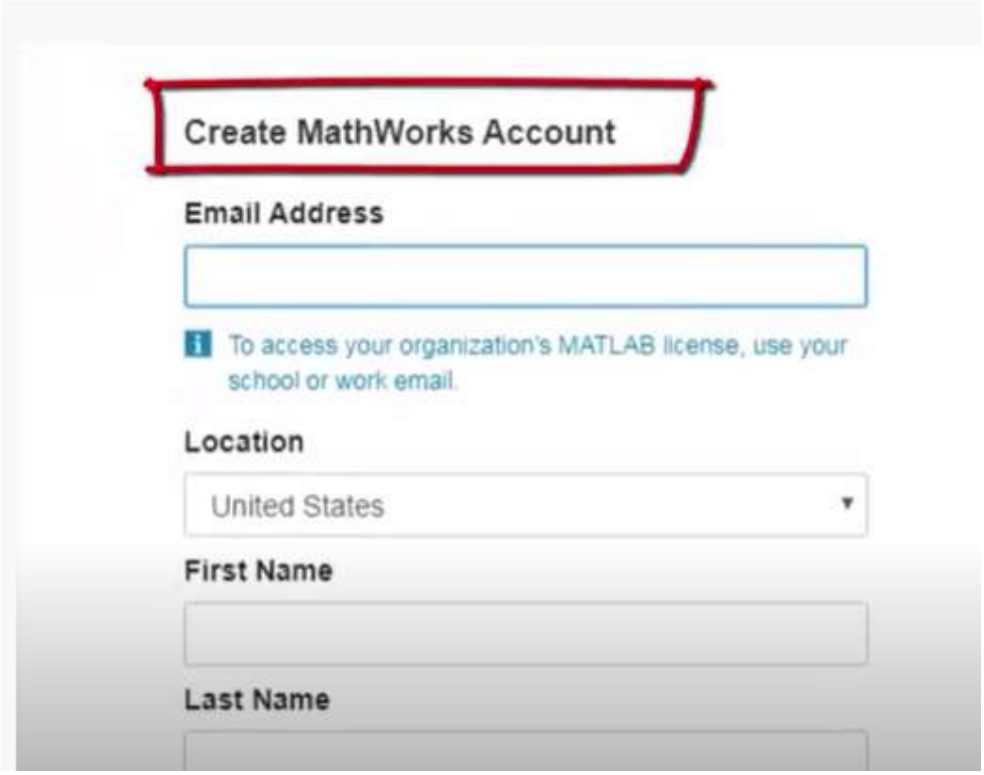
Setting up a ThingSpeak Account, creating and saving a channel with write API Key

Launch your browser and go to **thingspeak.com**

Register for a free account by clicking on **Get Started for Free**

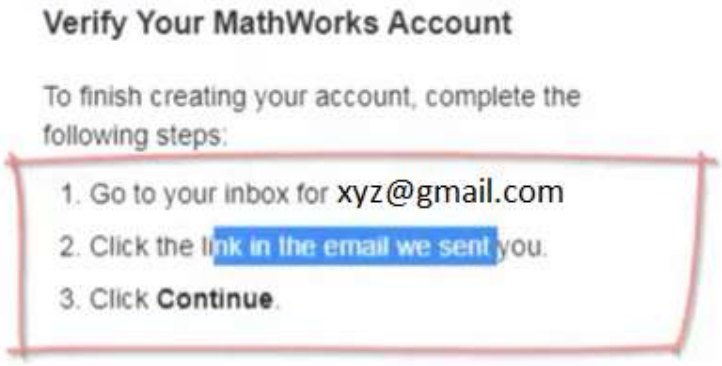


Create a **MathWorks account** by filling up the form details

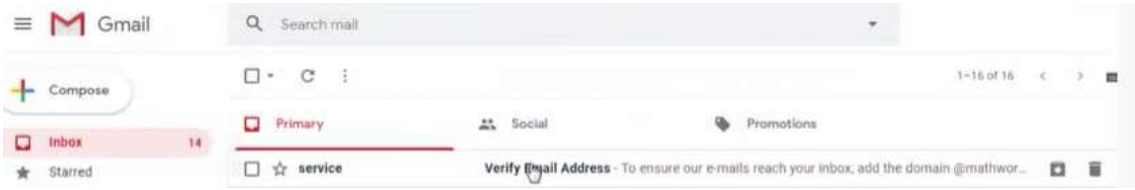
Click on Continue

Check on **Use this email for my MathWorks Account**

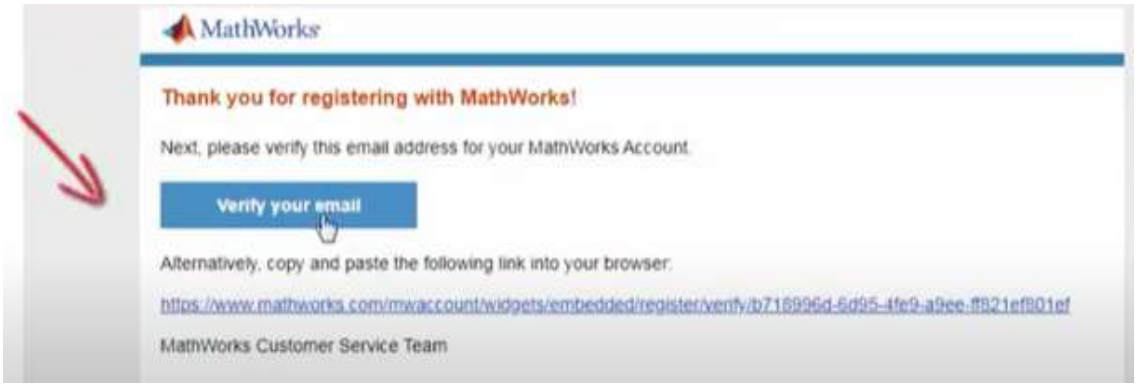
Click on **Continue**



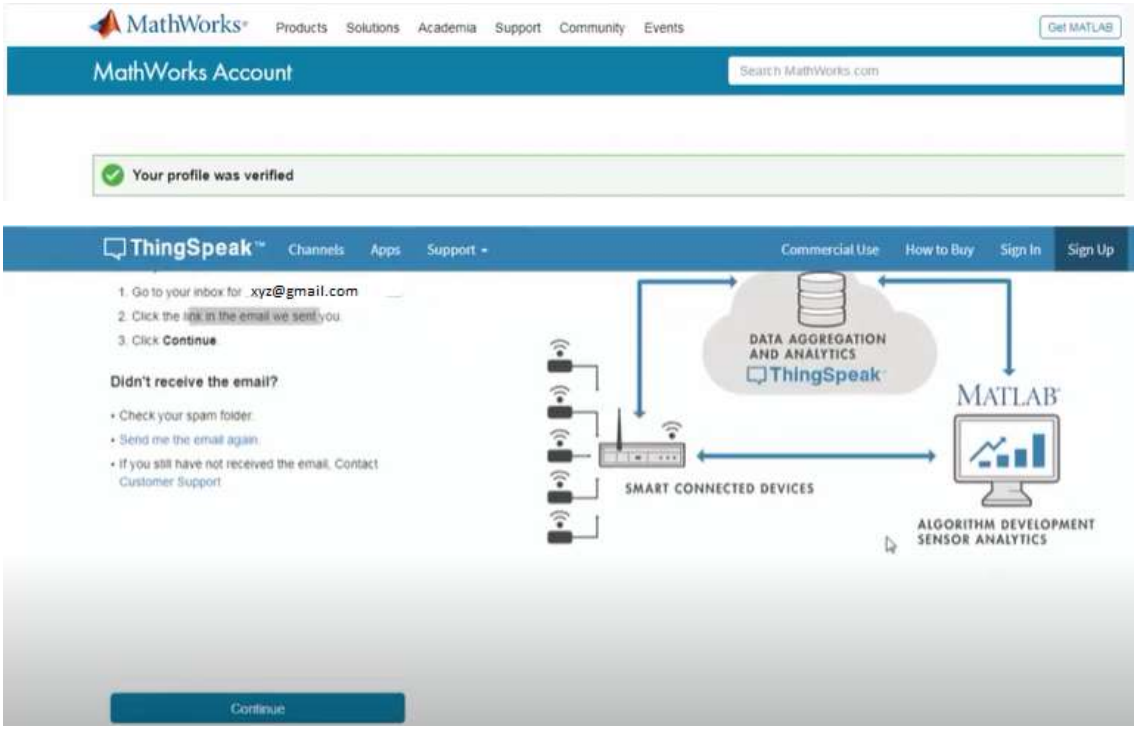
Follow 1-3 to **verify** your MathWorks account. Keep the tab opened on your Browser so that you can get back to ThingSpeak after verifying your email



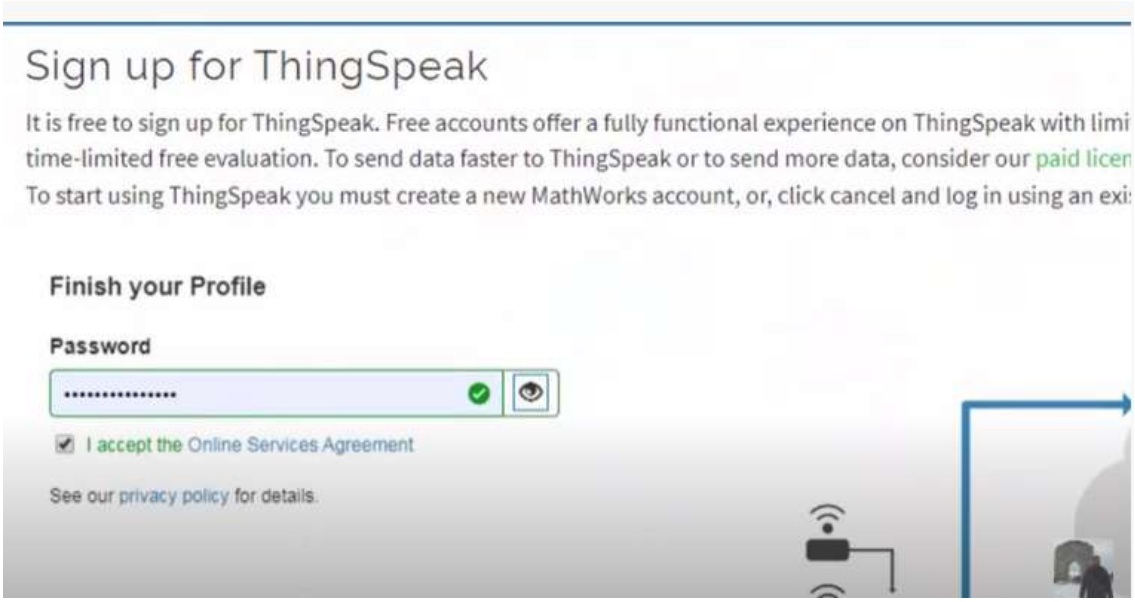
Open a new tab on your browser and go to your Gmail inbox (other inbox) and **click on the Verify Email Address** email sent to you



Click on **Verify your email**

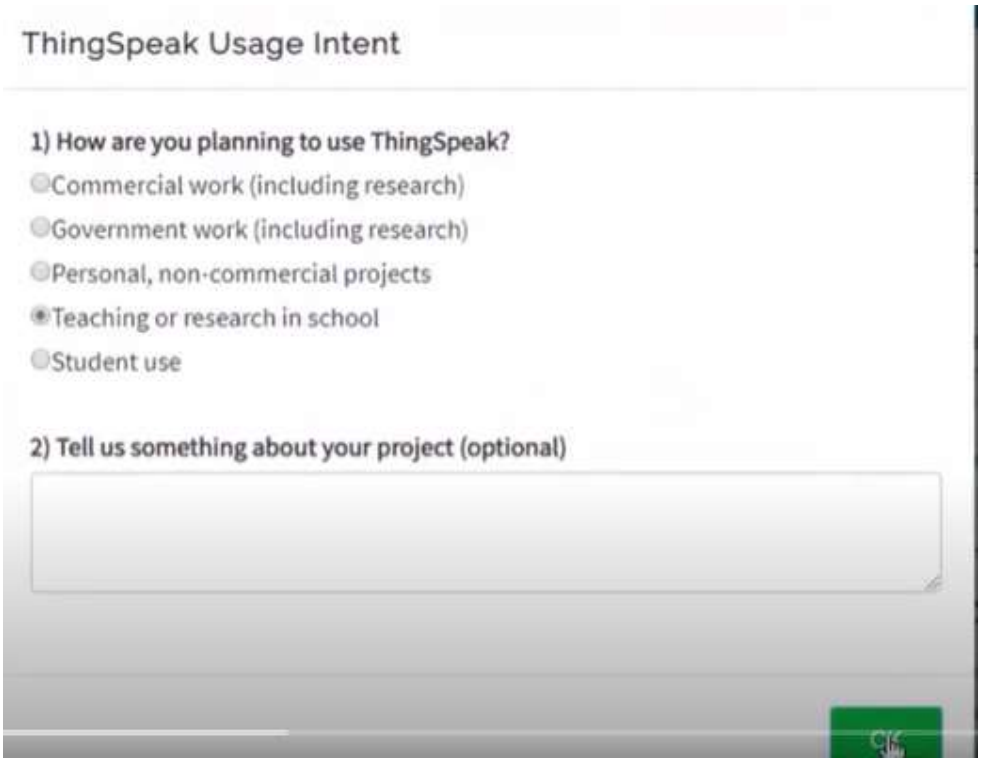


Go back on the ThingSpeak tab



Input your **ThingSpeak Password** and **check** on **acceptance terms**

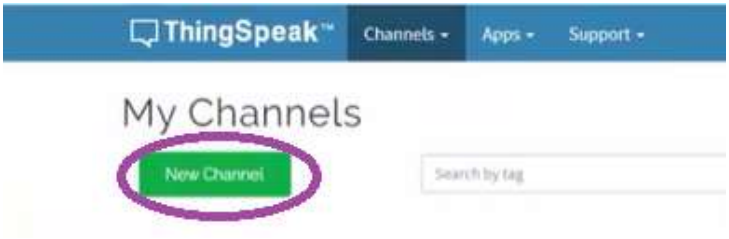
Click on the **OK** button



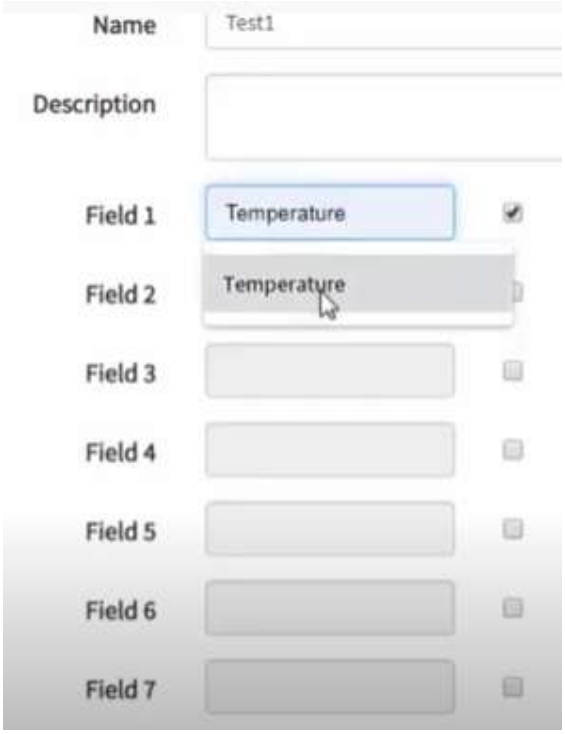
If the above pop-up form appears on Usage Intent, click on the option Teaching or research in school and click the Ok button

*At this stage the ThingSpeak account creation is done

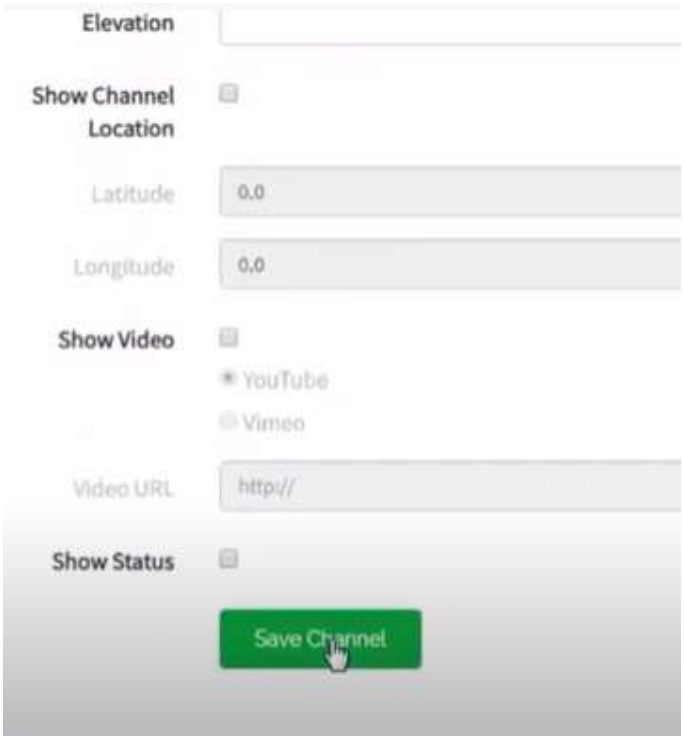
Create a New Channel



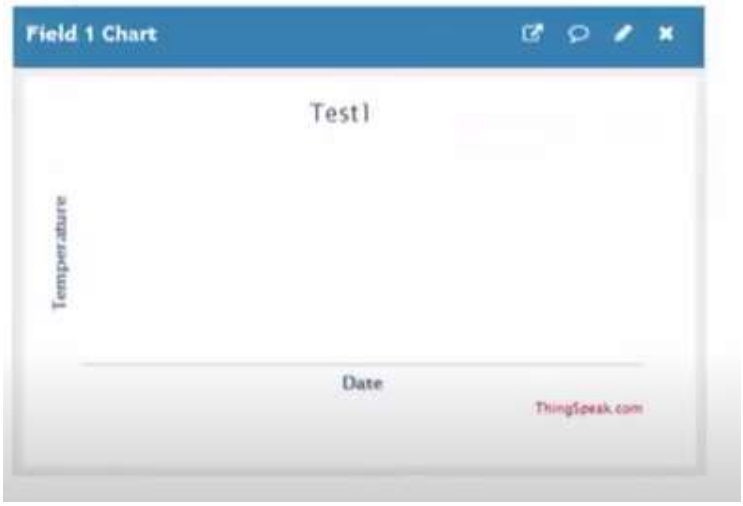
Click on New Channel



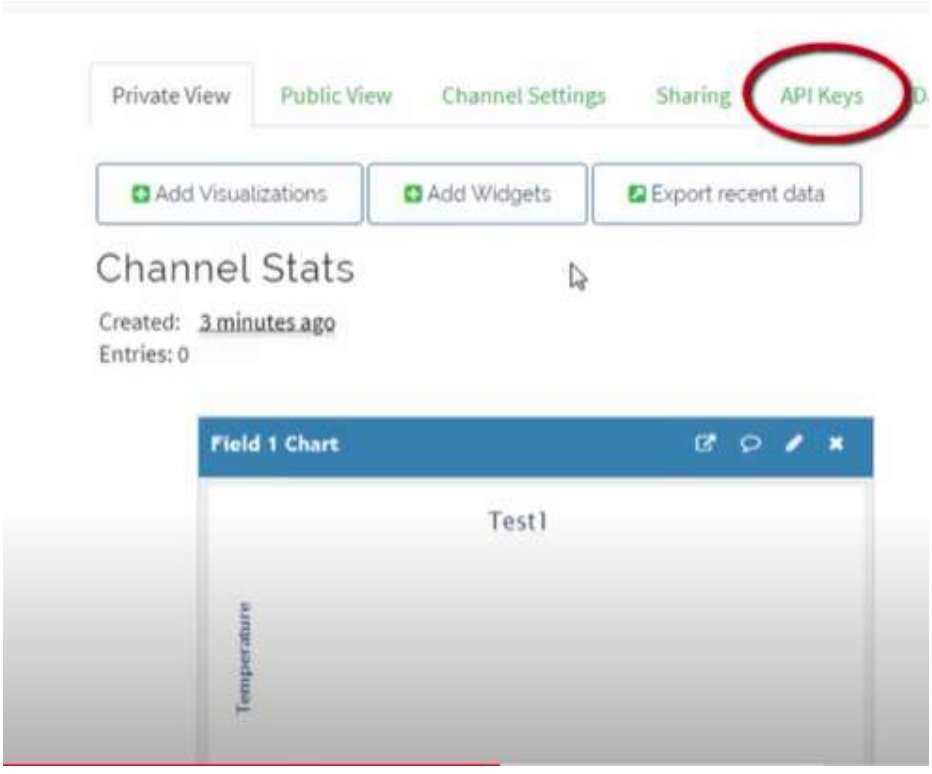
Input the value you intend to measure (Temperature if you are using the TMP36 or LM35 temperature sensor or Light if you are using the light-dependent resistor) and check on the little box beside it



Click on Save Channel to save it



An empty visualization chart should be created waiting to be populated and graphed with real-time temperature (or other value) data



Click on **API Keys**

Copy the Wite API Key which you need to use in your python code to access the specific ThingSpeak chart (the empty temperature chart in this case for plotting the temperature data)